

Table 4. Results of analysis of nutrients in surface-water-quality samples from Prairie Band Potawatomi Reservation, northeastern Kansas, February 1999 through February 2001

[mg/L, milligrams per liter; N, nitrogen; P, phosphorus; <, less than indicated minimum report level; E, estimated; --, not determined]

Map identifier (fig. 1)	Stream basin and site name	Date of sample collection (month/day/ year)	Time of sample collection (24 hour)	Nitrite (mg/L as N)	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia as nitrogen (mg/L as N)	Ammonia as nitrogen plus organic material (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphate (mg/L as P)
BC01	Bills Creek Basin								
	Bills Creek, U.S. Highway 75 near Holton	6/22/99	1010	0.019	0.124	0.032	1.0	0.316	0.034
		6/27/00	1025	.034	.528	.035	.62	.075	.027
LSC01	Little Soldier Creek Basin								
	Little Soldier Creek, 190 Road near Mayetta	6/23/99	1445	.033	3.48	.082	1.7	.229	.049
		6/27/00	1300	.040	.166	.024	1.3	.205	.021
LSC02	Little Soldier Creek, 174 Road near Mayetta	6/23/99	1200	.032	4.18	.075	2.7	.439	.041
		6/27/00	1430	.010	.228	<.020	.55	.076	.035
LSC03	Little Soldier Creek, O Road near Mayetta	2/9/99	1100	<.010	.224	<.020	.22	<.050	.020
		5/11/99	1055	<.010	.247	.059	.33	E.048	.047
		6/23/99	1400	.036	3.37	<.020	2.7	.571	.039
		9/14/99	0915	<.010	<.050	<.020	.31	.054	.013
		11/2/99	1055	<.010	<.050	<.020	.45	.220	.097
		2/15/00	1320	<.010	<.050	<.020	.22	<.050	.011
		5/16/00	1425	.015	.364	.038	.45	.053	.025
		6/27/00	1130	<.010	.270	.028	.57	.094	.032
		11/28/00	1005	<.006	<.047	<.041	.40	.180	.107
		2/21/01	1115	.014	.525	.256	1.0	.304	.236
LSC04	Little Soldier Creek, 134 Road near Mayetta	2/9/99	1145	<.010	.287	<.020	.25	E.037	.027
		5/11/99	1100	<.010	.332	.060	.29	.063	.056
		6/23/99	1010	.038	2.51	.028	1.5	.299	.050
		2/15/00	0845	<.010	<.050	.024	.21	<.050	<.010
		5/16/00	0935	.018	.417	.086	.65	.092	.027
		6/27/00	1015	.011	.371	.034	.68	.131	.050
		2/21/01	1005	.017	.748	.110	.97	.251	.138

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Map identifier (fig. 1)	Stream basin and site name	Date of sample collection (month/day/year)	Time of sample collection (24 hour)	Nitrite (mg/L as N)	Nitrite plus nitrate, dissolved (mg/L as N)	Ammonia as nitrogen (mg/L as N)	Ammonia as nitrogen plus organic material (mg/L as N)	Phosphorus, total (mg/L as P)	Orthophosphate (mg/L as P)
	Little Soldier Creek Basin—Continued								
LSC05	Little Soldier Creek tributary, 134 Road near Hoyt	6/23/99	1110	0.016	1.02	0.022	1.3	0.211	0.029
		6/27/00	1110	<.010	.376	<.020	.29	E.039	.028
LSC06	Big Elm Creek, 134 Road near Hoyt	2/9/99	1030	.019	.595	.292	.74	.229	.194
		5/11/99	0950	.060	1.02		.75	.247	.189
		6/23/99	0910	.021	.591	<.020	1.3	.421	.132
		9/14/99	0905	<.010	.074	<.020	.17	.059	.061
		11/2/99	0935	<.010	<.050	<.020	.41	.248	.205
		2/15/00	0920	.037	1.42	1.78	3.1	1.02	.788
		5/16/00	0835	.035	.620	.092	1.7	.736	.597
		6/27/00	0845	.016	.263	.062	.95	.374	.338
		8/29/00	0835	<.010	<.050	<.020	.24	.155	.131
		11/28/00	0920	.010	.443	.347	2.0	.852	.592
		2/21/01	0910	.018	.779	1.85	2.6	.782	.676
LSC07	Little Elm Creek, Q Road near Hoyt	6/23/99	1435	.013	.222	.023	1.3	.189	.049
		6/27/00	1600	<.010	.163	<.020	.49	.068	.033
LSC08	Big Elm Creek, P Road near Hoyt	6/23/99	1230	.013	.584	<.020	.85	.258	.092
		6/27/00	1230	<.010	.443	.041	.43	.193	.147
LSC09	Little Soldier Creek, 126 Road near Hoyt	6/23/99	1320	.025	1.82	.020	1.2	.262	.060
		6/27/00	1400	<.010	.348	.029	.62	.153	.069
	Soldier Creek Basin								
SC01	Soldier Creek, 214 Road near Circleville	6/22/99	1830	.021	2.39	.057	5.2	1.57	.083
		6/28/00	1445	.123	2.50	.064	.88	.172	.080
SC02	Soldier Creek tributary, G Road near Circleville	6/22/99	1850	.012	.335	.041	2.4	.516	.034
		6/28/00	1325	<.010	.225	.031	.24	.064	.031

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Soldier Creek Basin—Continued									
SC03	Soldier Creek near Saint Clere	2/9/99	1400	<0.010	1.08	<0.020	<0.10	<0.050	0.035
		5/11/99	1310	<.010	1.42	.057	.40	.119	.064
		6/22/99	1545	.015	.627	.089	5.0	1.69	.077
		9/14/99	1220	<.010	.323	<.020	.37	.055	.011
		11/2/99	1115	<.010	.072	<.020	.41	.055	.019
		2/15/00	1100	<.010	.093	<.020	.31	<.050	<.010
		5/16/00	1100	.010	.226	<.020	.71	.148	.022
		6/28/00	1100	.103	2.16	.107	1.0	.218	.066
		8/29/00	1025	<.010	<.050	<.020	.58	.097	.020
		11/28/00	1120	<.006	<.047	<.041	.36	E.050	E.009
SC04	Soldier Creek, 158 Road near Saint Clere	2/21/01	1255	.030	.945	.375	1.2	.266	.166
		6/22/99	1715	.016	.842	.103	5.7	1.86	.065
SC05	Crow Creek, 166 Road near Saint Clere	6/28/00	1330	.094	2.07	.087	.93	.204	.065
		6/22/99	1530	.014	.944	.051	2.5	.522	.046
SC06	South Branch Soldier Creek, H.5 Road near Saint Clere	6/28/00	0915	<.010	.229	.024	.50	.094	.038
		6/22/99	1415	.019	1.93	.037	5.4	1.32	.051
SC07	Soldier Creek, I Road near Delia	6/28/00	1240	.012	.142	.068	.62	.148	.083
		2/9/99	1540	<.010	.927	<.020	.35	.094	.042
		5/11/99	1515	<.010	1.39	.073	.52	.197	.076
		6/22/99	0945	.016	1.92	.024	.69	.245	.083
		6/22/99	0950	.018	1.94	.035	.69	.252	.084
		9/14/99	1020	<.010	<.050	<.020	.86	.107	<.010
		11/2/99	1300	<.010	<.050	<.020	.45	.064	.023
		2/15/00	1215	<.010	<.050	<.020	.25	<.050	<.010

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SC07	Soldier Creek Basin—Continued								
	Soldier Creek, I Road near Delia	5/16/00	1240	.041	.578	.180	.82	.153	.048
		6/28/00	0830	0.098	2.12	0.148	1.2	0.212	0.069
		8/29/00	1250	<.010	<.050	<.020	.54	.062	.018
		11/28/00	1410	<.006	<.047	<.041	.49	.065	.022
		2/21/01	1415	.024	.839	.371	1.5	.324	.167
SC08	James Creek, 142 Road near Delia	6/22/99	1230	<.010	.135	<.020	4.3	1.18	.064
		6/28/00	1105	<.010	.061	<.020	.48	.077	.015
SC09	James Creek, 126 Road near Delia	6/22/99	1125	.011	.750	.023	2.8	.695	.092
		6/28/00	0950	<.010	.166	.024	.31	.056	.038
SCC01	South Cedar Creek Basin								
	South Cedar Creek, U.S. Highway 75 near Mayetta	6/23/99	1100	.023	.998	.028	.75	.186	.089
		6/27/00	0935	<.010	.388	.043	.58	.133	.075